MAKER'S WARRANTY

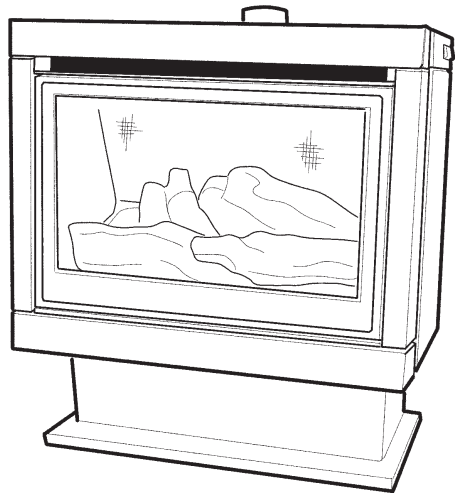
This appliance complies with a design certified by the AGA

Type-tested Certification

AGA

Cannon

FITZROY FREESTANDING



FREESTANDING MODELS

FITZFS-SDSEB-NG
FITZFS-SDSEB-LP

USER INSTRUCTIONS
INSTALLATION INSTRUCTIONS
SERVICE INSTRUCTIONS

This heater is approved for use with Natural and Propane gases.
Please leave instructions with the owner

Contents

Contents 2

- Distributor

Warranty 3

Safety warnings 4-5

- What to do if you smell gas
- Warnings
- Standards

User instructions 6-8

- Operating instructions
- Flame characteristics
- Cleaning

Heater specifications 9

Installation instructions 10-15

- Clearances
- Installation
- Gas connection
- Log installation
- Gas control
- Gas pressure point
- Installation tips

Flue installation 16-17

- Flue kit

Service instructions 18-20

- General
- To replace primary glass
- To replace outer glass
- To replace the gas control
- To replace the ignition (module) device
- To replace the room circulation fan
- To replace the fan pressure switch
- To remove the heat exchanger
- To replace the burner and spark/sense electrodes
- Wiring diagram
- Data label
- For service to this appliance

Trouble shooting 21-22

- Connections

Warranty

The Cannon appliance is warranted against defects in materials and workmanship for a period of one, (1) year from its date of original purchase, for residential use in Australia.

Warranty service, which includes parts and labour for the replacement or repair of defective parts, is available through the CANNON distributor. (Details below or on page19).

Consumers are responsible for service person's travel outside normal service areas (approximately seventy (70k) radius from the nearest Cannon dealer's location), local cartage, and normal maintenance as described in this manual.

Any product subjected to misuse, abuse, negligence, accident or alteration will have its warranty voided. The defacement of serial plate will have its warranty voided.

If installation is not carried out in accordance with manufacturer's instructions, this warranty may be void.

The customer must keep their "Tax Invoice" as proof of purchase of this product, and compliance certificate as proof of required installation.

Model number: _____

Serial number: _____

Date of manufacture: _____

Date installed: _____

Compliance Certificate No: _____

Don't risk your appliance warranty

Only a licensed person will give you a Compliance Certificate, showing that the work complies with all the relevant standards.

And only a licensed person will have insurance protecting their workmanship for 6 years.

So make sure you use a licensed person to install this appliance and ask for your Compliance Certificate to ensure the manufacturers appliance warranty will be honoured.

Distributor

This appliance is designed, manufactured and distributed by:

Sampford IXL

Tel: 1300 727 421

Safety warnings

Please read this manual before installing and using the heater.

What to do if you smell gas

1. Turn OFF the main gas supply.
2. Extinguish any open flame.
3. Open windows.
4. Do not touch electrical switches.
5. Do not use your telephone.
6. Call your gas supplier immediately from a neighbour's phone.

Warnings

1. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to other sections of this manual for correct procedures, or consult with place of purchase, a licensed plumber, a gas supplier or the CANNON distributor listed in this manual.
2. Do not build the heater into bookcases or walls. Install only as referred to in these installation instructions.
3. Due to high temperatures the room heater should be located out of traffic and away from:
   - Furniture and draperies,
   - Combustible materials,
   - Gasoline and other flammable liquids,

   Do not place clothing or other flammable material on or near the heater.
4. Keep curtains*, clothing, furniture and other flammable materials at least 900mm from front, rear and sides of the heater.

   * At the owner's discretion curtain clearance can be less than 900mm as long as they are restrained from the front, top and sides of the heater. The manufacturer takes no responsibility if curtain clearance is less than 900mm and not restrained.
5. Children and adults should be alerted to the hazard of high surface temperature and should take care to avoid burns or clothing ignition.

   This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

   Children should be supervised to ensure that they do not play with the appliance.
6. Never attempt to burn paper or any other material in the heater.
7. **Do not place articles on or against this appliance.**

   Do not use or store flammable materials near this appliance.

Do not spray aerosols in the vicinity of this appliance while it is in operation.

Do not modify this appliance.

8. If removed, the glass window must be put back onto the unit prior to operating the heater.
9. Installation and repairs should be performed by a licensed service person only, refer to back of brochure for service number.
10. The appliance should be inspected prior to use, with regular inspections (annually) to be made by a licensed service person. It is important that circulating air passageways of the appliance be kept clean, dirt and lint free, for a safe and efficient operation of the heater.
11. On first lighting your heater a smell may occur due to its new condition. This is quite normal and will disappear after a few hours use at the maximum control position.
12. Testing the effectiveness of the flue.

    Before testing the flue confirm air vents are unobstructed. If an exhaust fan or other heating appliances are present switch them on. This is to test that there is no interaction between the CANNON heater and other appliances.

    Refer AS5601.

    For 'air movement not to affect appliance' see clause 5.3.1.

    For 'air supply to appliance' see clause 5.4.1.

    For 'ventilation requirements' see clause 5.4.3.

Important:

When this heater is operating the mesh guard/glass front is hot.

The mesh guard, or glass front, fitted to the heater conforms to Australian Standards requirements.

The guard is fitted to this appliance to reduce the risk of fire or injury from burns and no part of it should be permanently removed.

For protection of young children or the infirm, a secondary guard is required.

This heater is not intended for use in a marine environment.

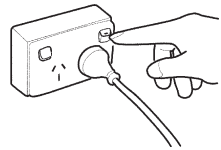
Standards

This appliance meets the following standards:

Standards Australia: AS/NZS 3100
AS 5601
AS 4553:2008

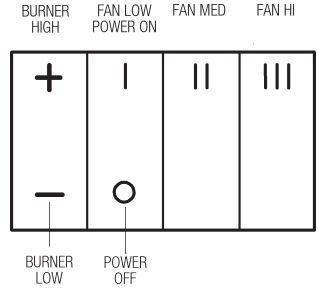
Operating instructions

1. Plug the power cord into the wall socket and turn on the power to the heater, see figure 1. Use of an extension cord is not recommended.



1

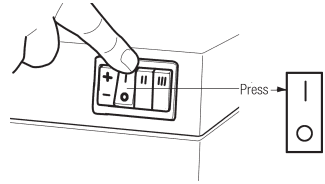
2. For control lay-out refer to figure 2.



2

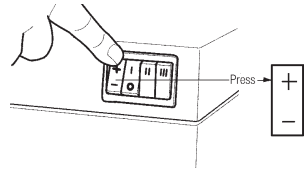
3. To turn heater on press switch to POWER ON position. There is a 5 second delay before the burner ignites. At this setting the burner is on LOW and the fan speed is on LOW. Refer figure 3.

   The burner will ignite on both HIGH and LOW settings.



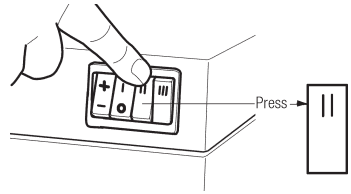
3

4. To turn burner to HIGH setting, press switch for HIGH setting. Refer figure 4.



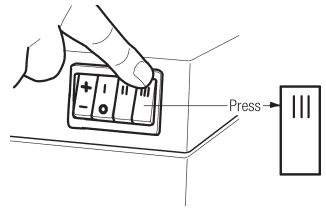
4

5. To increase the fan speed to MED, press switch for MED setting. Refer figure 5.



5

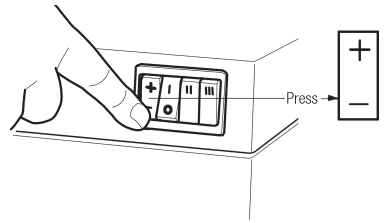
6. To increase the fan speed to HIGH, press switch for HIGH setting. Refer figure 6.



6

7. To turn the burner to LOW setting, press switch for LOW setting. Refer figure 7.

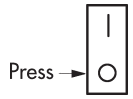
On low burner setting it is more efficient to operate the fan speed on LOW.



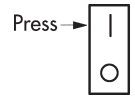
7

8. If the burner fails to ignite, wait 20 seconds and repeat the ignition procedure. See below.

To turn burner OFF



To turn burner ON



9. In case of a power failure return the switches to the OFF setting (refer figure 2). When power returns, wait 20 seconds and start re-ignition as per point 3.

Flame characteristics

The heater flames should be stable, not lifting from burner and the logs should glow after approximately 15 minutes operation on HIGH setting.

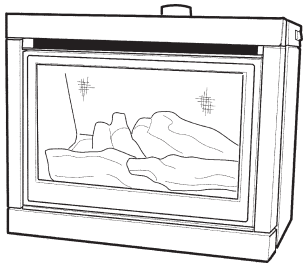
The heater has been designed to burn with luminous flames, which mimic natural log combustion, and may exhibit slight carbon deposition. If heavy carbon deposits occurs or flames impinge on the roof of the combustion chamber, turn the appliance off and contact the service agent in your state.

For service to this appliance refer page 19 for contact details.

Cleaning.

All cleaning should be carried out when the heater is cold. Normally the heater should only need wiping with a lint - free damp cloth. Any stubborn stains can be removed with a non-abrasive spray on cleaner. If an abrasive cleaner is used the paint finish will be damaged.

For heater fitted with the glass front



All cleaning should be carried out when the heater is cold. Clean the outer glass with a liquid solution such as 'Windex' or similar. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the heater glass front since they can scratch the surface, which may result in shattering of the glass.

Internally the heater should only be cleaned by a licensed service person listed in this manual.

If your heater requires attention contact your supplier or licensed service person listed in this manual.

Important:

The appliance should be inspected before use and at least annually by an authorised service person. More frequent cleaning may be required due to excessive lint build-up from carpeting, bedding materials, pet hair, etc.

It is imperative that control compartments and circulating air passage ways of the appliance be kept clean.

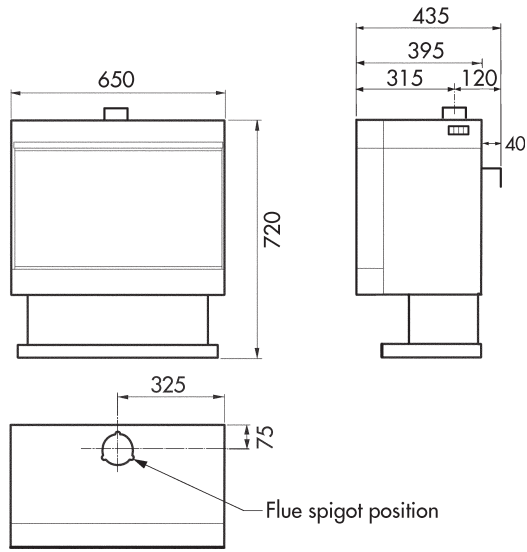
Do not use this fire if the glass is cracked or with the glass safety screen removed.

Do not use fire with broken or missing logs.

Heater specifications

Note:
The data plate is located on the rear of the removable pedestal front.

Gas type:	Natural or Propane gas, as indicated on data label
Gas consumption:	26 MJ/hr input
Energy output:	21.45 MJ/hr (5.96 KW)
Energy star rating:	4 stars
Heater type:	Approved to AS4553:2008
Operating pressure: (at the burner)	Natural gas: 0.75 kPa Propane gas: 2.65 kPa
Gas regulator:	Integral part of controller
Min. inlet pressure:	1.13 kPa (Nat Gas) 2.75 kPa (Propane)
Fan:	3 speed
Controller:	Electronic direct spark
Power requirement:	240 VAC 10 Amp
Power consumption:	90 VA maximum
Optional Accessories:	• Silver trim • Cathedral ceiling flue box
Flue kit:	2 x 900mm lengths of 125mm ø painted flue 1 x 900mm painted bottom flue c/w spigot 1 x 900mm length of 125mm ø plain flue 1 x ceiling ring 1 x 125mm AGA approved gas cowl
Overall dimensions:	Refer fig. 8.



1. This appliance is to be installed by a licensed service person only.
2. This appliance shall be installed in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, and AS5601 the Australian Standard for gas installations. Refer also to AS5601 for pipe sizing tables.

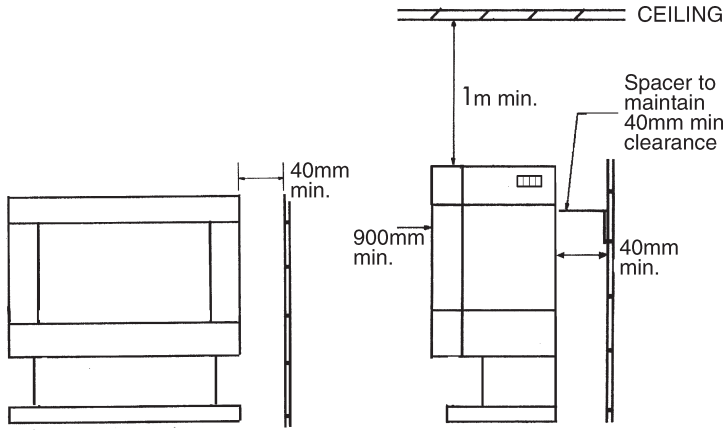
   THIS HEATER IS NOT INTENDED FOR FIRE PLACE INSERT.

Clearances

3. Ensure the minimum clearances to combustible construction are maintained during installation, including adequate space for the proper operation and servicing of the heater.

   For clearances to curtains and furnishing refer to warning 3 & 4 on page 4.

   For minimum clearances refer fig 9 and 10.



9 10

4. Remove the carton from the heater and lift from pallet.

   Check that the heater is suitable for the gas available. Refer to the data label located on fan chamber base, rear of pedestal front.

   (Please dispose of packaging appropriately, keep away from children).

5. Prepare electrical and gas connections, a 10 Amp wall socket needs to be located within 1.5m of the heater.

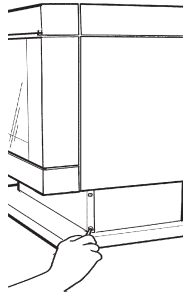
   Note: if flexible cord is damaged, disconnect from supply socket. Remove the damaged flex and replace with spare-part assembly F2799.

6. Fit rear spacers as per figure 10.

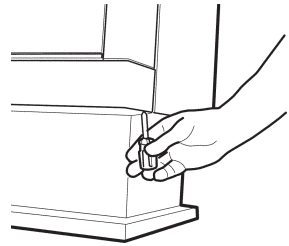
Installation

7. Place heater in position. (Check flue and gas connection positions. Refer to gas connection instructions on page 12 and flue installation instructions on pages 16 & 17).

8. Remove the pedestal front by unscrewing two screws either side. Refer figure 11.



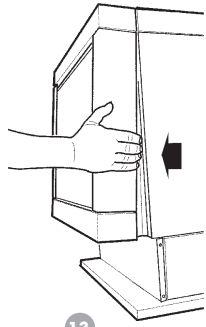
11



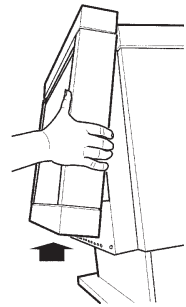
12

9. Remove the heater front securing screws, one either side. Refer figure 12.

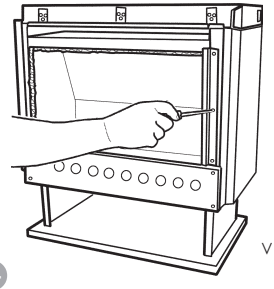
10. Remove the heater front by pulling it towards you gently to partly disengage it from the body of the heater then gently lift it up vertically to completely disengage it. Refer figure 13.



13



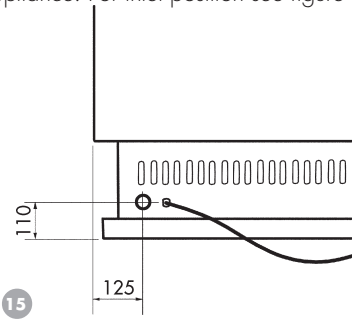
11. Remove the inner glass. Slacken off screws in top clamp and remove side clamps. Refer figure 14.



14

Gas connection

12. Connect incoming gas supply pipe to $^1/_2$" compression fitting at rear of appliance. For inlet position see figure 15.

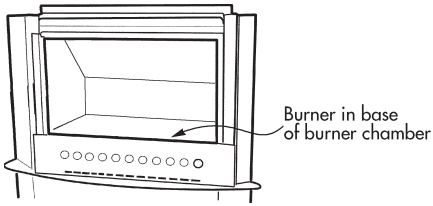


15

Log installation

13. The burner is contained within the burner chamber. .Refer figure 16.

16

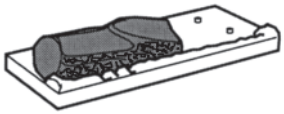


14. Carefully unpack the log set. Logs are numbered as follows:
    No 1 - Left front log
    No 2 - Left back log
    No 3 - Right front log
    No 4 - Right back log

    Position the four individually numbered logs in the following order on the burner head as shown in figures 17-20. The male locating pins in the burner head must engage with corresponding holes in the individual logs.

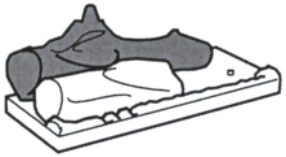
a) Place log No.1 onto the 2 front left pins on the burner head, ensuring that the charring faces the front. Refer figure 17.

17



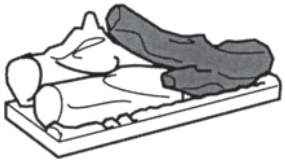
b) Place log No.2 onto the 2 left back pins. Refer figure 18.

18



c) Place log No.3 on single right front pin, ensure fork locates over log No. 2. Refer figure 19.

19



Advise the user in the operation of the heater.

d) Place log No. 4 on single right back pin, ensure left side of log rests on depression in No. 3 log. Refer figure 20.

20

15. Refit the inner glass, but do not overtighter the screws.

16. Refit the heater front.

Gas control

17. Gas control layout is as indicated in figure 21.

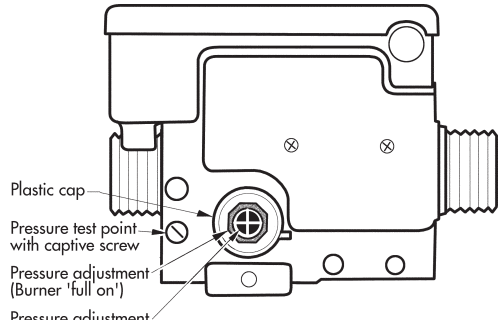
Operate the heater on HIGH and LOW burner on all fan speeds. The flame should be stable, no lifting from the burner and the logs should glow after approximately 15 minutes of operation on HIGH burner.

If the flame is unstable:

- Check that the burner is located correctly.
- Check that the glass front is located correctly and is against the sealing rope.
- Check that the gas pressure is correctly adjusted.

If the heater still does not operate to specification refer to the trouble-shooting chart on pages 20 & 21, or contact Sampford IXL in your state.

Pressures for 'Burner full on' and 'Burner low flame' are factory set, however if pressures need to be checked or adjusted follow the procedures described below and on the next two pages.


Plastic cap
Pressure test point with captive screw
Pressure adjustment (Burner 'full on')
Pressure adjustment (Burner 'Low flame')

21

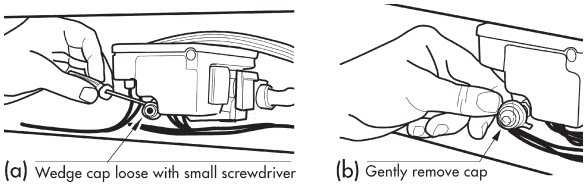
Important:

To achieve the correct visual flame effect:

On Propane the gas pressure must be set at 2.65 kPa with burner operating on maximum setting.

On Natural Gas the gas pressure must be set at 0.75 kPa.

To check control outlet pressure at burner 'Full on" and 'Low Flame" positions remove the plastic cap from the regulator adjustment location as indicated in figures 22 (a) & (b).



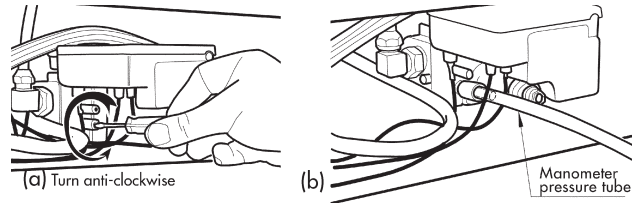
22

(a) Wedge cap loose with small screwdriver

(b) Gently remove cap

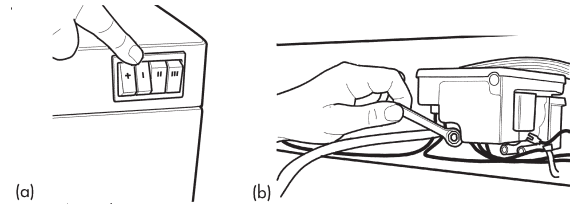
Gas pressure point

18 The pressure point is closed with a captive screw. Turn screw 6 revolutions anticlockwise to open the pressure point as indicated on figure 23 (a) and place manometer tube over the test point as per figure 23 (b).



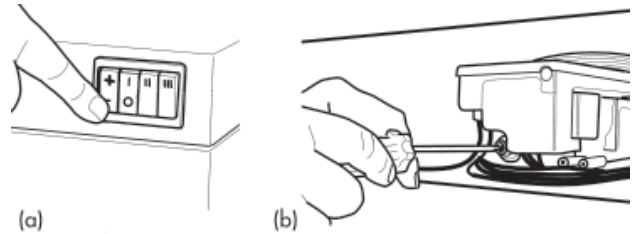
23

19. Switch the top two control buttons to "Full On" position as indicated in figure 24(a) and using a ring spanner, as per figure 24(b), adjust the pressure to 0.75 kPa for Natural gas or 2.65 kPa for LPG. (Turn clockwise to increase pressure and anticlockwise to decrease pressure).



24

20. Switch the heat button back to "Low Flame' position as indicated in figure 25(a), **retain spanner in position** and using a screwdriver as per figure 25(b) adjust the central screw control to give a pressure reading of 0.3 kPa for Natural Gas and 1.1 kPa for LPG. (Turn clockwise to increase pressure and anticlockwise to decrease pressure).



25

21. Switch burners off and remove the manometer tube. Tighten pressure test point by turning the captive screw fully clockwise.

Replace plastic cap. Ensure the little lug is positioned towards lower right hand side to clear the control.

22. Refit the lower front cover, making sure not to damage the power cord.

23. Follow User Instructions to turn on heater and test for correct operation before leaving.

24. The heater flames should be stable, not lifting from burner and the logs should glow after approximately 15 minutes operation on HIGH setting.

    The heater has been designed to burn with luminous flames, which mimic natural log combustion, and may exhibit slight carbon deposits. If heavy carbon deposits occurs or flames impinge on the roof of the combustion chamber, turn the appliance off and contact the service agent in your state.

25. If after following these installation instructions and the trouble shooting chart on page 20-21, the heater does not perform correctly contact the service agent in your state. For details of service agents please refer page 19.

Installation tips

- Make sure that the heater is fully commissioned and be certain to conduct a test of the integrity of the flue operation, taking into account any influences created by range-hoods, exhaust fans, central heating, etc.
- To avoid any unnecessary delays and inconvinience to your customer, please contact our Technical Services Department on 1300 727 421, if the installation is unusual or you have any concerns with the installation and/or heater operation before the installation commences.
- Any service request resulting from incorrect installations are not covered by our warranty conditions and these calls will result in charges, usually to the end user, so please be sure that the installation and commissioning has been satisfactorily carried out before calling for a warranty service.
- Please make sure that the end user is fully instructed on how to operate the heater.

Flue installation

This heater is a flued appliance. It must be properly connected to a flue system in accordance with the latest edition of the Gas Installation Code, AS 5601.

If elbows are required, we recommend 45° only and no more than two in the total flue run. There should also be a minimum of 250mm straight flue section in between bends.

If practical, locate the heater in a position to minimise the need for elbows.

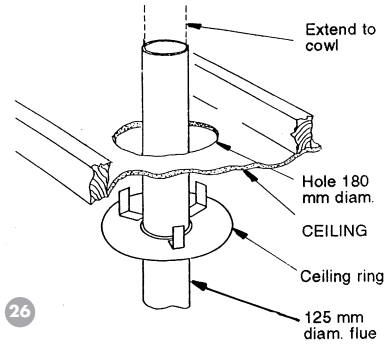
There must be at least 1.8m of vertical before any changes in direction of the flue.

If placed against a combustible wall the 40mm rear spacers locate against the wall.

1. Ensure clearances to combustible constructions have been observed. For clearances refer page 10.
2. The centre line of the flue is 115mm to rear of appliance (including rear spacers).
3. Carry out installation as per figure 26 (ceiling plate installation) and figure 27 (flue installation).

   Cut a hole 180mm ø in the ceiling in line with the flue position. Secure ceiling plate against the ceiling by bending out the tabs above the ceiling.

   Note: If the ceiling has an incline, a ceiling box will need to be fitted. The ceiling box is an accessory and can be ordered from the supplier. Installation instructions are supplied with the ceiling box. Part no: BOXFB.

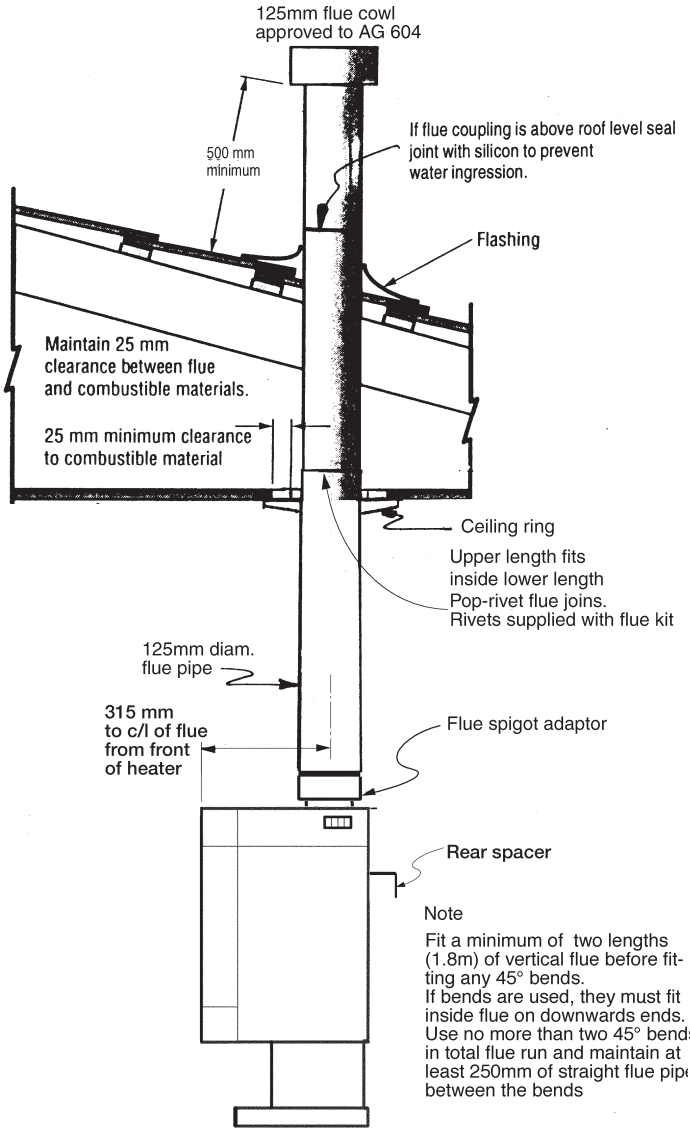


26

Flue kit

The flue kit contains:

2 x 900mm lengths of 125mm ø painted upper flue
1 x 900mm painted bottom flue spigot
1 x 900mm length of 125mm ø plain flue
1 x ceiling ring
1 x 125mm AGA approved gas cowl


125mm flue cowl
approved to AG 604
500 mm
minimum
If flue coupling is above roof level seal
joint with silicon to prevent
water ingression.
Flashing
Maintain 25 mm
clearance between flue
and combustible materials.
25 mm minimum clearance
to combustible material
Ceiling ring
Upper length fits
inside lower length
Pop-rivet flue joins.
Rivets supplied with flue kit
125mm diam.
flue pipe
315 mm
to c/l of flue
from front
of heater
Flue spigot adaptor
Rear spacer
Note
Fit a minimum of two lengths
(1.8m) of vertical flue before fit-
ting any 45° bends.
If bends are used, they must fit
inside flue on downwards ends.
Use no more than two 45° bends
in total flue run and maintain at
least 250mm of straight flue pip
between the bends

27

Service instructions. (Do not modify this appliance).

General

1. Service work to be carried out by an authorised service person only.
2. Unplug from wall socket or turn off power at main switchboard if heater is hard wired.
3. Always shut off the gas supply and ensure that the heater is cool before commencing any service operations.
4. Always check for gas soundness after servicing.

To replace the primary glass

1. Refer page 11, steps 9 to 11, of the installation instructions.
2 Refit glass and replace in reverse order ensuri the inside surface of the glass is clean and free from finger marks.

To replace the outer glass

1. Remove the top two glass retaining posts using a 4mm allan key. Support the bottom of the glass and remove the two lower glass retaining posts. Refit glass in reverse order ensuring the inside surface of the glass is clean and free of finger marks.

Note: ensure the inside surface of the glass is clean and free from finger marks.

To replace the gas control

1. Remove the lower pedestal front by unscrewing four M3 screws. Refer page 11, figures 11 and 12, of the installation instructions.
2. The blue module (ignition device) needs to be removed to allow removal of the gas control. Remove LH screw from front lower section of ignition device. Remove screw from front of rectifier lead located below domed cap on gas control.
3. Unplug polarise plug (wires feeding to module and gas control) and remove spark/sense electrode connections, earth connection from module and earth connection form gas control. Remove the module from the gas control.
4. Disconnect the gas inlet (1/2" compression nut) connection at entry to gas control and the 16mm nut at the outlet of the gas control.
5. Remove the three M3 screws from the cradle retaining the gas control. Remove gas control.
6. Replace gas control and ignition device in reverse order and check for gas tightness.

Note: check the gas pressure on high and low burner settings. Refer 'gas control', pages 13 and 14.

To replace the ignition (module) device

1. Refer 'to replace the gas control' and perform steps 1 to 3, but do not remove the earth connection from the gas control.
2. Remove RH screw from front lower section of ignition device.
3. Unplug wire connector from ignition device.
4. Replace ignition device in reverse order.

To replace the room circulation fan

1. Remove the lower pedestal front by unscrewing four M3 screws. Refer

page 11, figures 11 and 12, of the installation instructions.

2. Disconnect the fan plug from the plug carrier. Remove the two M5 wing nuts which locate the fan to the fan chamber underside. Lower fan from male thread.
3. Disconnect the silicon tube from the fan pressure switch, rotate the fan scroll 90° and remove the silicon tube from the venturi located in the fan scroll. Remove fan from fan chamber.
4. Replacement fan. Remove the blanking piece from the fan scroll. Remove the venturi and bracket from the fan removed from the heater. Insert and secure the venturi and bracket on replacement fan.
5. Insert fan into fan chamber ensuring that the venturi is not disturbed. Replace silicon tube onto the venturi and locate fan onto male thread. Secure with M5 wing nuts, ensuring rubber buffer locates over thread.
6. Replace silicon tube onto fan pressure switch and reconnect fan plug into plug carrier.
7. Test operation of room circulation fan and fan pressure switch - turn heater on high burner, low fan. The room fan should operate instantaneously and a possible 5 - 10 second delay for the fan pressure switch to energise dependant on room temperature. The burner should now operate on high setting.

To replace the fan pressure switch

1. Remove the lower pedestal front by unscrewing four M3 screws. Refer page 11, figures 11 and 12, of the installation instructions.
2. Remove the connecting wiring (3) from the pressure switch.
3. Remove the silicon tube from the pressure switch.
4. The pressure switch is secured onto the rear of the fan chamber housing by four M4 screws. Remove screws.
5. Replace in reverse order.

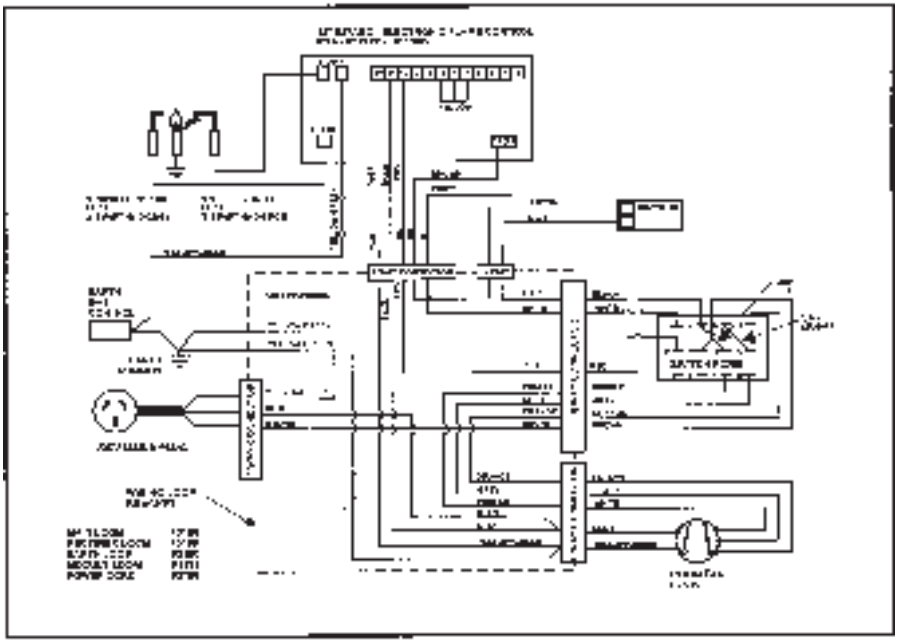
To remove the heat exchanger

Please refer to manufacturer. Contact details page 3 of this manual.

To replace the burner and spark/sense electrodes

1. Refer pages 11 and 12, steps 9 to 11, of the installation instructions.
2. Remove the logs from the burner chamber.
3. Remove the burner chamber front, 4 screws.
4. Disconnect the 16mm nut at the outlet of the gas control.
5. Disconnect the spark and sense electrodes from the ignition (module) device.
6. Remove the burner fixing brackets (2) from the RH and LH side of the burner. Lift the burner assembly upward and carefully remove from the burner chamber.
7. Replace in reverse order checking location of spark/sense electrodes, refer page 21, figure 37. Spark gap between electrode and surface of burner is 4 - 6mm. Check for gas tightness. For log placement refer page 16 of this manual

Wiring diagram



Data label

CANNON FITZROY Model No FITZFS-SDSEB-NG		
DATE OF MANUFACTURE 4108 SERIAL NUMBER 04-67890N		HGC (MJ) 26.0 AGA APPROVAL # 6118 ELECTRICAL ACCEPT IN COMPLIANCE WITH AS/NZS 3100 ELECTRICAL 240VAC 0.5A 50Hz
INJECTORS SIZE	NATURAL 0.72 x 7 x 2 PROPANE 1.05 x 2	EMISSION CLASS "O"
GAS TYPE NATURAL PROPANE		Designed,manufactured,and distributed by: Sampford IXL TELEPHONE 1300 727 421
TEST POINT PRESSURE 0.75kPa NATURAL 2.65kPa PROPANE		
F2900 REV D		

For service to this appliance

For service to this appliance or spare parts contact the CANNON distributor:

Sampford IXL

Sampford IXL
52-70 Sparks Avenue
Fairfield, Vic, 3078

Phone: 1300 727 421
Fax: 1300 727 425
email: service @ sampfordixl.com.au

Trouble-shooting. (Do not modify this appliance).

To check the operation of the electronic (module) controller (Type 537 ABC) you will require a digital multimeter with the functions to measure AC/DC voltage, continuity, resistance and micro-amps.

It is critical that the appliance is earthed and that the active and neutrals are not reversed.

Item No	Check	Action
1.	No ignition when appliance is turned on.	• Check 240 volts power to heater in incoming plug connector.
2.	Power present but appliance not operating.	• If there is power to the brown wire in the 8 way switch connector the module may be in lockout mode. To reset the module turn off the power supply for 10 seconds and then turn the power on again.
3.	After resetting the module and appliance is still not operating.	• Check the internal 2-A fuse in the loom.
4.	If the fuse is O.K. and still appliance not operating	• Check other connections are in place. • If the last checks are correct the ignition electrode should spark at the same time as the gas control solenoid valves open. At this point the spark electrode will activate for up to 10 seconds maxi mum until the flame has been established. Terminal 14 (white wire into the 8 way switch connector) will be energised as soon as the flame has been sensed.
5.	Confirm spark is produced when heater is turned on.	• A blue spark can be seen when the heater ignition process starts. Ensure spark is present between electrode and burner.
6.	If no spark being produced	• Check that spark lead is connected into module. • Check the continuity of the HT cable. • Check that there is no short circuit to earth and spark gap is correct. (Refer figure 28). A positive check is to use a jumper wire and connect one end of the earth and hold the other end with insulated pliers 4mm from the spark generator on the module. If there is no spark to earth then change the module.
7.	Spark is being produced but not at burner.	• Listen for cracking sound. The spark is misdirected. Check the spark ceramic insulator for signs of cracks.
8.	Sparks, ignites on low flame then extinguishes after 10 seconds. Continues to spark during flame presence.	• Check that the wall socket to the appliance has correct polarity. Do not use an extension cord. Check polarity in the electrical supply lead to appliance. • Check that the sense electrode is in the flame. • Check that appliance is earthed correctly. A check between the earth pin on the plug and an unpainted part of the appliance should see a resistance of 0.1 ohms.

9.	No gas to burner.	• The gas valve should open at the same time as the igniter sparks. If there is no gas to the burner when this occurs check the solenoid coils for continuity. • Check that the gas pressure is present at the test point when the spark is being generated. • Check that there is gas to the inlet of the gas control.
10.	Appliance lights but goes into lockout.	• Test the flame for correct ionisation signal. Connect a multimeter in series with the flame rod and set the function to measure micro-amps. The module will go into lockout if the flame current sensitivity is less than 0.5 micro-amps. The approximate signal strength on high flame is about 10 micro-amps and on low 4 micro-amps. The signal strength will fluctuate but should be greater than 1.5 micro-amps at all times. **Take precaution because the ionisation probe can have a high negative voltage and can cause shock.**
11.	Fuse blowing.	• If the fuse continues to blow check the solenoid coils for signs of them being shorted. • Check the fan and wiring for short circuit.

Connections

Terminals 5, 6 and 7 at the module 12 way connector are bridged.

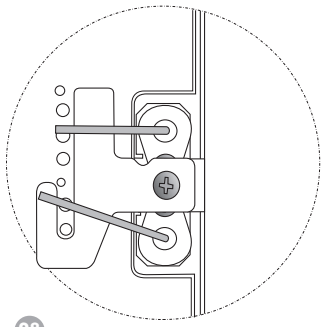
Terminal 10 at the module 12 way connector is the active supply via the red wire.

Terminal 11 at the module 12 way connector is the neutral supply via the blue wire.

Terminal 12 at the module 12 way connector is the earth connection via the green/yellow wire.

Terminal 12 at the module 2 way connector is the neutral connection via a brown wire which is joined into the rectifier cable then into the 8 way switch connector blue wire.

Terminal 14 is an active connection at the module 2 way connector via a white wire into the 8 way switch connector. This is active only when the flame is sensed.



28

Sampford IXL

Cannon

FITZROY FREESTANDING

Part No: F2904
Revision D-2009